Scheduling Transmission Service, Version 9

Effective: 09/28/12

Note: exceptions in red identified in the introduction

This Business Practice describes the process and guidelines for scheduling transmission services from BPA Transmission Services.

PLEASE NOTE: Sections C and E of this Scheduling Transmission Service business practice will not be effective until Monday, October 1, 2012. All other sections of this business practice are effective today, September 28, 2012. The delay in sections C and E is because systems are not yet in place to accommodate the e-tag changes. Section C will be effective at 0800 on October 1, 2012 and section E will be effective at 0900 on October 1, 2012. BPA apologizes for any inconvenience this may have caused.

Version 9 includes the following updates:

- Section A: Step A.1.n.i. Removed reference to INT-016-WECC-CRT-1 and replaced with NAESB WEQ Standard
- Section B: Added Step 4 to prohibit stacking NFP and PTP capacity; added Daily, Weekly and Monthly Non-Firm transmission to the Tagging Suffixes Table in Step B.5
- Section C: Deleted Step 2.a Submission of E-Tags During Real-Time window; added new Step 2.a. referencing INT-006-3 in relation to e-Tag processing; and added Step 2.c. to align the opening of the window for Ancillary Service data with current practice
- Section E: Under the Validation Rules for Schedule Path chart, added clarification update for Capacity Recallable Tag; add G-NF Usage Check Validation
- Section F: Incorporated the Network Congestion Validation Bulletin
- Section G: Deleted Contact Information and replaced with Customer Data Entry (CDE)[1]
- Section H: Deleted Network Congestion Validation and incorporated the Northwest Market Hub bulletin

[1] A Transmission Services access point that allows a customer to obtain information pertaining to its Ancillary Services, Loss Return obligations, portfolio manager, and contract portfolio manager.

- Section I: Incorporated Processing Transactions for Stranded Loads Due to Network Outages in BPA System Bulletin and changed title to Alternative E-Tag Procedures for Discretionary Offer of Transmission for Stranded Load
- Section J: Incorporated Reliability Limits and Outages Information Bulletin

A. General Procedures and Requirements

1. Submitting Transmission Schedules
   a. All transmission schedules must be submitted through the e-Tag process.
   b. Customers may contact BPA Transmission Services if they are unclear about how they should submit a transmission schedule.
   c. The Customer[1] maintains responsibility for the transaction described in the e-Tag.
   d. If a Customer finds that an e-Tag contains incorrect information, (e.g., contract or type of transmission service) the Customer must ensure that an adjustment to the e-Tag is submitted with the correct information.
   e. All transactions must be tagged from the original Source[2] to the final Sink[3].
   f. If a Customer does not submit a schedule for a given hour, for all purposes, BPA Transmission Services will deem the Customer to have submitted a schedule of zero megawatts for that hour.
   g. Customers may use more than one supporting reservation to meet a single e-Tag demand.
   h. If generation is reduced (or lost entirely), the Customer must adjust future-hour estimates and e-Tags accordingly.
   i. If a transaction involves both Network and Southwest Interties or Network and the Montana Intertie, all parts of the transaction must be submitted on the same e-Tag.
   j. No California Oregon Border Hub (COBH)[4] transaction is allowed to continue south on the Southern Intertie to California.
   k. All transactions into or out of the Northwest Market Hub (NWH)[5] or COBH must net to zero on all hours.

[1]Any customer taking service under Use of Facilities (UFT), Formula Power Transmission (FPT), Integration of Resources (IR), Part II or Part III of the OATT.
[2]An OASIS field on a TSR that is the contractual POR.
[3]An OASIS field on a TSR that is the contractual POD.
[4]A Northwest composite point near the California-Oregon border on the AC Southern Intertie.
[5]Composite point consisting of a group of substations in the Mid-C Area where Bonneville Power Administration Transmission (BPAT) is the intermediary Balancing Authority.

l. Transactions on the DC Intertie, other than those described in the Intra-Hour Scheduling Pilot Program Business Practice, may be changed in-hour only in response to a Transmission reliability event.

m. In the event of a BPAT scheduling system (OATI[1] webTrans) outage, BPAT will:

   i. Post a notice to OASIS[2] and the WECC email exploder requiring Customers to submit transmission schedules by phone.

   ii. Notify Customers by phone and require them to submit transmission schedules by phone until notice is given that the scheduling system has been restored to normal operating conditions.

   iii. Check out with all adjacent Balancing Authorities.

   iv. Troubleshoot discrepancies to identify transmission schedules that remain unreported.

n. If a scheduling emergency (e.g., scheduling system outage) prevents BPA Transmission Services from accepting transmission schedules from e-Tags, BPA Transmission Services will act in accordance with regional criterion:

   i. In the event of a Requesting PSE/Scheduling Agent[3] scheduling system outage, BPAT will advise the Requesting PSE/Scheduling Agent to contact another entity in the transaction chain in accordance with NAESB WEQ Standard, WEQ-004-A or its successor.

   ii. ii. In the event of a WECC Interchange[4] Authority (WIT) system outage, BPAT will operate in accordance with INT 020-WECC-CRT-1 or its successor.

   iii. In the event of a WECC Interchange Authority (WIT) system outage, BPAT will operate in accordance with INT 020-WECC-CRT-1 or its successor.

[1]Open Access Technology International System
[2]Open Access Same-Time Information System
[3]An entity designated by the Customer to prepare and submit transmission schedules and associated forecasts on behalf of that Customer.
[4]Energy transfers that cross Balancing Authority boundaries.

2. Transmission Account Building
   a. BPA Transmission Services will automatically build a transmission scheduling account (also known as a Real-Time Operations and Scheduling Dispatch System (RODS)[1] account) from information on an approved e-Tag on a 24 hour/7 day a week basis for all transmission accounts except for the services listed in 2.b below.
   b. The Customer must continue to request BPA Transmission Services to build RODS[2] accounts prior to the preschedule day for the following services during regular business hours:
      i. Dynamic Schedules
      ii. Pseudo Tie Schedules
      iii. Reserves
   c. If an unforeseen occurrence prevents the automated tool from building a RODS account prior to the conclusion of the Pre-Schedule or Real-Time window, BPA Transmission Services will attempt to support an e-Tag by manually building RODS account (s) during regular business hours.
      i. If RODS accounts cannot be built manually prior to the conclusion of the Pre-Schedule or Real Time window, BPA Transmission Services may deny or curtail the e-Tag.
      ii. When a Customer experiences a Communication Failure (COMM Fail) where BPA Transmission Services is the Load Control Area, BPA Transmission Services will exercise the e-Tag override function to Approve or Deny pending e-Tags on the Customer's behalf.

[1]An electronic interface used by Transmission Services to dispatch and schedule transmission.
[2]Real-Time Operations Dispatch and Scheduling System. An electronic interface used by Transmission Services to dispatch and schedule transmission.

3. Blanket Function[1]
    a. To use the Blanket Function, Customers must reference the five-digit Service Agreement number in the OASIS contract Number field.
    b. The Blanket Function will automatically locate all confirmed reservations with available demand; matching Service Agreement, POR[2]/POD[3], Transmission Service Type, and NERC priority for the schedule duration.
    c. The system will then automatically encumber the earliest Assignment Reference (AREF)[4] first per the Transmission Profile[5] and Energy Profile[6] of the e-Tag.
    d. Customer maintains responsibility for management of their Transmission Profiles and their Energy Profiles.
4. Operating Reserves[7]
    a. BPA Transmission Services will create e-Tags for the delivery of Operating Reserves following the delivery hour (After-the-Fact) to all Customers who have elected to self-supply Operating Reserves.
    b. A Customer who self-supplies Operating Reserves and desires to change its e-Tag template must submit a request in writing or by email to its Account Executive within the normal election time frame.
        i. A Customer may not change its e-Tag template during the election period for which it is self supplying Operating Reserves.

[1]A functionality that automatically allocates the Transmission Profile and the Energy Profile in an e-Tag to one or more A-Ref number(s).
[2]Point of Receipt is an interconnection on the Transmission Provider's Transmission System where capacity and energy will be made available by the Delivering Party; An OASIS field on a TSR that is the scheduling POR.
[3]Point of Delivery is a point on the The Transmission Provider's Transmission System where capacity and energy transmitted by the Provider will be made availabe to the Receiving Part; An OASIS field on a TSR that is the scheduling POD.
[4]A unique reference number automatically assigned by the OASIS to provide a unique record for each transmission or ancillary service request.
[5]The maximum amount of fim reserved capacity set aside to cover the Energy Profile. The data on the e-Tag related to the hourly Transmission Demand.
[6]The data on the e-Tag related to the hourly interchange schedule.
[7](Also called Contingency Reserves) The combination of Operating Reserve-Spinning Reserve Service and Operating Reserve-Supplemental Reserve Service. Fifty percent of Operating Reserves Services must be Spinning Reserves Services.

5. Network Integration Transmission (NT) Service
   a. The following NT Customers do not need to submit transmission schedules to BPA Transmission Services:
      i. Bonneville Power Administration (BPA) and Power Services full requirements Customers in BPA's Balancing Authority Area.
      ii. Power Services' partial requirements Customers, with the exception of that portion of the partial requirements Customer's Network Load not being served by a Power Services partial requirements contract.
      iii. Power Services' Block Product Customers that have assigned their secondary NT Service rights to Power Services are not required to submit schedules for those NT Block deliveries within BPA's Balancing Authority Area.
   b. NT Customers who are not in the BPA Balancing Authority Area or have resources outside the BPA Balancing Authority Area must submit transmission schedules.
   c. Starting June 9, 2011, when e-Tagging Firm NT schedules, NT Customers are required to use the 7-FN NERC priority code.
6. Point-to-Point (PTP) Transmission Service
   a. Customers submitting Firm PTP schedules are not permitted to use the 7-FN NERC Curtailment Priority code.
7. Test E-Tags
   a. E-Tags submitted for test purposes will automatically pass the Available Transfer Capability (ATC[1]) validation checks.
   b. Test e-Tags will not impact ATC, TSRs or Interchange.
   c. The approval status of a test e-Tag will be set based on the results of all other validation checks listed below in e-Tag Validation Rules.

B. Transmission Service Product Types

1. The following transmission service product types require a unique Product Suffix Code[2] (see table below) appended to the AREF[3] or five-digit Service Agreement number referenced on the OASIS Contract Number field, to uniquely identify the intent of the

[1]Available Transfer Capability
[2]A set of tagging codes used to identify Transmission Services' product service types.
[3]A unique reference number automatically assigned by OASIS to provide a unique record for each transmission or ancillary service request.

transmission schedule and match the e-Tag to the scheduled RODS Account:

a. Priority Firm (PF) Block Power[1]
b. Station Service
c. Counter Schedule (CS)
d. No OASIS Reservation (NOR)
e. Loss returns
f. Conditional Firm (CF)

2. For all Transmission Service schedules, enter the five-digit Service Agreement number or the AREF number, a hyphen, and the applicable Product Suffix Code.
3. For loss return e-Tags, enter BPA Power into the Point-of-Delivery (POD) field and BPA-LOSS into the SINK field.
4. Where BPAT is the Transmission Provider, Customers are not permitted to stack an e-Tag with Non-Federal Ownership of the Pacific AC Intertie (NFP) and PTP Transmission Capacity.
5. The Transmission Service/Product Type and Product Suffix Codes are listed in the table below:

Tagging Suffixes		
Transmission Service/Product Type	**Description**	**Product Suffix Code**
PTP Network Firm PF NT Network Firm PF/Block NT Monthly Non-Firm (MNF) PF/Block PTP MNF PF/Block NT Weekly Non-Firm (WNF) PF/Block PTP WNF PF/Block NT Daily Non-Firm	PF and/or block Service Agreement with BPA Power Services for Firm and Non-Firm Network Integration (NT) and Point-to-Point (PTP) transmission schedules	<xxxxx>-PF

[1]PF block of power, which includes Real Power Losses, that is continuously available to public bodies, cooperatives, Federal agencies, and investor-owned utilities to meet Customers' net Firm load requirements within the Pacific Northwest.

Tagging Suffixes		
(DNF) PF/Block PTP DNF PF/Block NT Hourly Non Firm (HNF) PF/Block PTP HNF PF/Block		
No Demand Check (ND)	ND service exempts certain Contracts from automated demand checks.	<xxxxx>-ND
Counter Schedule (CS)	A CS submitted in the opposite direction of flow for the Southern Intertie.	<xxxxx>-CS
No OASIS Required (NOR)	NOR Service exempts the segment of the transaction from incurring transmission charges and loss obligations. The use of NOR Service is limited to certain paths and/or owners.	Service-NOR
Non-Federal Ownership of the Pacific AC Intertie (NFP)	Allows e-Tags to pass contract validation for entities with NFP where no specific AREF exists.	<xxxxx>-NFP
NT Network Firm PF/Block	PF and/or block service agreement with BPA Power Services for Firm NT Transmission schedules with no Demand Check.	<xxxxx> -PFN
Conditional Firm	Conditional Firm PTP or NT Reservation. The e-Tag can only reference the AREF.	<AREF>-CF
Network HNF Station Service	Transactions related to station service use for Balancing Authority Area purposes.	61
Network Firm Station Service	Transactions related to station service use for Balancing Authority Area purposes (includes Daily, Weekly, Monthly, and Yearly schedules).	66
Integration of Resources (IR) Losses	Loss returns for IR Contracts.	L1
Formula Power Transmission (FPT) Losses	Loss returns for FPT Contracts.	L2
NT Losses	Loss returns for NT Contracts.	L3
PTP Losses	Loss returns for PTP on the Network, and Southern Intertie.	LP

Tagging Suffixes		
Non-Federal Participant[1] Owner Losses	Loss returns for NFP Owners on the Intertie and Ownership Share Demand Overrun.	L7
Northern Intertie (NI) Loss Return	Loss returns for NI Owners.	L9

C. E-Tag Submittal Windows

1. Preschedule
   a. A transmission e-Tag must be submitted according to the following table:

SUBMISSION OF E-TAGS DURING PRESCHEDULE WINDOW			
Transmission Service Product Type	**Transmission Service Increment**	**Transmission Service Classification**	**Window for Network & Intertie Submission**
Long-Term, Short-Term; Monthly & Weekly	Yearly, Daily, & Hourly	Firm & Non-Firm	For Preschedule Day(s) and beyond: Submit eTags no later than 15:00:00 PPT[2] or two hours after the close of the California Independent System Operator (CISO) market, whichever is later.

   b. The window for Ancillary Service data opens at 08:00:00 PPT of the Preschedule day. The window closes on Preschedule for the following Ancillary Services:

      i. Energy Imbalance[3]: Load Estimates and self-supply amounts must be submitted through the CDE[4] no later than 18:00:00 PPT. Payback Schedules must be submitted no later than 14:00:00 PPT.

[1]An entity that operates a Wind Facility or other Variable Energy Resource within BPA's Balancing Authority Area and that has signed a Supplemental Service Agreement agreeing to supply or purchase Supplemental Services for that Wind Facility.
[2]Pacific Prevailing Time
[3]Difference occurring between hourly scheduled amount and hourly metered (actually-delivered) amount associated with transmission to a load located in BPA's Balancing Authority Area or from a generation resource located within BPA's Balancing Authority Area.
[4]Customer Data Entry

ii. Generation Imbalance: A generator must submit a Generator Estimate for each hour it is planned to produce power. Generation Estimates must be submitted through the CDE no later that 18:00:00. Payback Schedules must be submitted no later than 14:00:00 PPT.

iii. Operating Reserves: Load Estimates submitted for the purpose of determining Operating Reserve obligations must be submitted through the CDE no later than 18:00:00 PPT.

c. During checkout, BPA Transmission Services' Preschedule staff will implement the Fifteen (15) Minute Rule[1] and contact the Customer to help resolve any discrepancies between the e-Tag and RODS schedule.

d. BPA Transmission Services will participate in a conference call if the Customer requests such a call to help resolve the discrepancies. See Contact Information below.

2. Real-Time

a. BPA Transmission Services will process e-Tags as defined in the WECC Timing Requirements table in INT-006-3 or its successors.

b. BPA Transmission Services will deny Late e-Tags as defined by the Timing Requirement table of INT-006-3 or its successors.

c. The window for Ancillary Service data opens at 16:00:00 PPT of the day prior to starting service and closes at 20 minutes prior to the start of service.

3. After-the-Fact

a. Tag approval entities are required to approve After-the-Fact e-tags within two hours after the e-Tag is received by BPA Transmission Services.

D. Scheduling for Emergency Energy Delivery

1. BPA Transmission Services will use the following timeline for submitting e-Tags for emergency energy delivery:

[1] A rule applied during Transmission Services' Preschedule that allows the Customer or the Scheduling Agent up to 15 minutes after notification to resolve the discrepancy between the e-Tag and the RODS transmission schedule before Transmission Services reduces the RODS transmission schedule or curtails the e-Tag (whichever is higher) to balance the energy profiles.

Real-Time Window for Emergency Energy Delivery Only	Duration of Service
Beginning 20 minutes prior to the scheduling hour up to the end of the scheduling hour	Begins at the start of flow for no more than 2 hours

2. Emergency e-Tags submitted within the Real-Time Window for Emergency Energy Delivery will fail the automated timing validation and be manually processed. BPA Transmission Services will process Emergency e-Tags in accordance with INT-001-WECC-CRT-2 and INT-007-WECC-CRT-2.1 or their successors.
3. The Emergency e-Tag requestor will provide comments stating the reason for the Emergency in the e-Tag to expedite processing.

E. E-Tag Validation Rules

1. All e-Tags will be validated by BPA Transmission Services to ensure accuracy.
2. E-Tags for both the Preschedule and Real-Time windows that fail any of the validation rules will automatically be denied or manually processed.
3. Demand check validations will be performed on all e-Tags unless Customers meet one of the following criteria allowing a bypass:
   a. Retain a FPT (7-F), IR (7-F), or NT Memorandum of Agreement (MOA) (7-FN) contract with BPA Transmission Services that addresses special scheduling provisions for specific Firm Transmission Demand that is not explicitly represented by OASISOpen Access Same-Time Information System reservations and submit Firm e-Tags with the -ND suffix appended to the Reference field of the e-Tag's transmission allocation.
   b. Retain an NT Service Agreement with BPA Transmission Services that requires the reservations to indicate specific Points of Receipt (PORPoint of Receipt[1]: An OASIS field on a TSR[2] that is the scheduling POR.) and PODs, places no limitations on the reserved Transmission Demand, which is based on load forecasts, and submit Firm (7-FN) e-Tags with the -ND suffix appended to the Reference field of the e-Tag's transmission allocation.
   c. Retain Ownership Shares of the Pacific AC Intertie or DC Intertie under a contract that does not require the submission of a TSRTransmission Service Request to Trans-

[1]Point of Receipt is an interconnection on the Transmission Provider's Transmission System where capacity and energy will be made available by the Delivering Party; An OASIS field on a TSR that is the scheduling POR.
[2]Transmission Service Request

mission Services' OASIS; and as the e-Tag, Transmission Provider must submit Firm (7-F) e-Tags with the -NFP suffix appended to the Reference field of the e-Tag's transmission allocation.

d. Retain a PF and/or Block NT Service Agreement(s) and submit Firm (7-FN) e-Tags with the -PFN suffix appended to the Reference field of the e-Tag's transmission allocation.

4. BPA Transmission Services retains the right to add or change validation rules without notice.
5. Updates to the validation rules (if any) will be posted to BPA Transmission Services' web site.
6. BPA Transmission Services' validation rules are described below:

   Acronyms:

   BAA: Balancing Authority Area

   TP: Transmission Provider

   BPAT: Bonneville Power Administration Transmission

   TC: Transmission Customer

   PSE: Purchasing or Selling Entity[1]A load, generator, generation provider, Transmission Customer, or other party.

Validation Rules for Schedule Path		
Criteria	**Description**	**Denial Reason**
Energy Profile The data on the e-Tag related to the hourly interchange schedule.	This check examines the transmission MW profile of the e-Tag to ensure that it has sufficient capacity to cover the energy schedule MW profile.	Energy profile is bad
Scheduling Window	Upon receipt of an e-Tag, BPA Transmission Services e-Tag system will automatically validate the submittal time of each e-Tag to ensure it falls within the posted scheduling windows.	Tag Timing
Scheduling Entity (SE)	Where BPAT is an SE in a transmission physical segment, verify that BPAT is not referenced in a string containing other	Path SE Usage

[1]A load, generator, generation provider, Transmission Customer, or other party.

Validation Rules for Schedule Path		
Usage	SEs.	
SE Adjacency	Where BPAT is an SE, the upstream/downstream SE, Generation BAA and Load BAA is verified to be adjacent to BPAT. A null adjacent SE is INVALID.	Path SE Adjacency
TP-SE Association	For each physical segment where BPAT is referenced as an SE or a TP, the SE and TP designated on that physical segment will be verified as a valid association, including associated POR/POD path for that TP.	Path TP-SE Association
POR/POD to Adjacent Point	Verifies that the point adjacent to a given POR/POD is valid for the POR/POD.	Path POR/POD to adjacent Point
POR/POD to SE Adjacency	Where BPAT is the SE, the POR/POD on the physical segment will be verified as being valid for the adjacent upstream/downstream SE, Generation BAA/Load BAA.	Path POR/POD to SE Adjacency
POR/POD to Source/Sink	Where BPAT is the Generation BAA/Load BAA, verify that the POR is valid for the Source and/or the POD is valid for the Sink. A null Source or Sink in the e-Tag is considered an error.	Path POR/POD to Source/Sink
Reserve Obligation	Where BPAT is the e-Tag Generation BAA and not the WECC Responsible Entity, verify that the Reserve Obligation Multiplier is correct for the e-Tag source.	INVALID Reserve Obligation
WECC Reserves	Where BPAT is the e-Tag Reserve Responsible Entity, verify that BPAT is also the Generation BAA or Load BAA.	WECC Reserves
In-Hour Net Scheduling Availability (NSA)	Where BPAT is the TP, verify that an in-hour request will not cause net schedules to exceed BPA's share of the path	NSA Check: Segment = x NSA = x
In-Hour PSANI	When a PSANI curtailment or a PSANI OSG procedure has been implemented	Intra-Hour Schedules
In-Hour TLR Avoidance	When BPAT's network congestion validation is activated, verify that an in-hour request with non-deminimus or greater than 10MW ATC impacts on the applicable flowgate are not accepted	TLR Check: FG = x TDF = x Impact = x
Concurrent Losses	Where BPAT is the SE in a transmission physical segment, verify there is not physical energy loss	Disallow Concurrent Losses

Validation Rules for Schedule Path		
Capacity Recallable Tag	Where BPAT is the Generation BAA, and the tag type is Recallable, verify that the recallable energy is being used to meet BPAT's Contingency Reserves responsibility, the WECC Responsible Entity is the Load BAA and the reserve % is 100.. Where BPAT is the Load BAA, verify that the tag type is not Recallable.	Capacity Recallable Tag Validation
G-NF Usage Check	Verifies that BPAT is not the Load BAA or WECC Responsible Entity (RE) on G-NF e-Tags	BPAT cannot be the Load BAA or WECC RE on G-NF eTags

Validation Rules for Product Suffix Code (See Tagging Suffix Table above in B.4)		
Validation Criteria	**Description**	**Denial Reason**
Suffix	The Contract Number Suffix, where required, associated with any BPAT transmission service will be verified against the list of valid Product Suffix Codes. The remaining Suffix validations are not performed if this step fails.	Suffix INVALID Code
Agreement Type for Suffix	Determine whether the reference in the OASIS/Contract field is an AREF or BPAT contract & determine whether the Suffix is valid for that reference type (AREF or Contract).	Suffix Agreement Type
NERC Priority for Suffix	Verifies that the NERC Priority on the e-Tag is valid for the Suffix referenced.	Suffix NERC Priority
Service Type for Suffix	Verifies that the contract type of the underlying and supporting contract (as directly referenced in the contract number field or from the OASIS reservation if the e-Tag Contract # is an AREF) is valid for the Suffix referenced.	Suffix Service Type
SourceAn OASIS field on a TSR that is the contractual POR. for Suffix	Where BPAT is the Generation BAA`, verifies that the Source listed in the e-Tag is valid for the Suffix.	Suffix Source
SinkAn OASIS field on a TSR that is the contractual POD. for Suffix	Where BPAT is the Load BAA, verifies that the Sink listed in the e-Tag is valid for the Suffix.	Suffix Sink

Validation Rules for Product Suffix Code (See Tagging Suffix Table above in B.4)		
POR/POD Owner for Suffix	Verifies that the POR/POD and Owner are valid for the Suffix referenced.	Suffix POR/POD Owner

Validation Rules for Contracts or AREF Number		
Validation Criteria	**Description**	**Denial Reason**
Blanket Customer	Verifies that the TC Owner on the transmission allocation of the e-Tag matches the owner of the transmission specified in the contract or AREF Number.	Blanket Customer
Blanket POR/POD	Verifies that the POR/POD referenced on the e-Tag is valid for the supporting contract or AREF Number.	Blanket POR/POD
Blanket Priority	Verifies that the NERC Priority specified on the e-Tag is valid for the supporting contract or AREF Number.	Blanket Priority

Validation Rules for Contracts or AREF Number		
Blanket Capacity/Demand MW	Verifies that the supporting contract or AREF Number has sufficient unused confirmed capacity to for the e-Tag.	Blanket Capacity/Demand MW
Contract #	Verifies that the contract number referenced in the OASIS Contract # field of the e-Tag is a valid BPAT transmission contract.	INVALID Contract/AREF
Customer for Contract	Verifies that the TC Owner on the transmission allocation of the e-Tag matches the owner of the transmission specified in the contract.	Contract Customer PSE Code
NERC Priority for Contract	Verifies that the NERC Priority specified in the e-Tag is valid for the contract or reservation specified,	Contract NERC Priority

Validation Rules for Contracts or AREF Number		
	such as 7-F, 2-NH, 6-NN.	
POR/POD for Contract	Verifies that the POR/POD referenced on the e-Tag is valid for the supporting contract, for the e-Tag TC Owner, and for the period of flow (from OASIS reservations or from BPAT contract data).	Contract POR/POD, Start/StopF. Network Congestion Validation This validation enables BPA Transmission Services to restrict new transmission sales while network congestion is being mitigated. Use of the network congestion validation will continue until further notice. 1. To minimize the number of new TSRs that are processed when it is anticipated that congestion on the network will cause the capacity on any flowgate to exceed the limits, a network congestion event will be declared. 2. During a network congestion event, BPA Transmission Services will activate the network congestion validation on OASIS for the impacted flowgate(s) and impacted hour(s) for new TSRs. 3. BPA Transmission Services will post the implementation and status of the validation for the impacted flowgate(s) on OASIS at http://www.oasis.oati.com in WestTrans. a. To view the posting, click the Notices tab. Select CURTAILMENT in the Category field and select the time period on the Message filter. b. Customers can sign up to receive notification of the postings on the OASIS website at Options, Alarm Preferences. 4. BPA Transmission Services will also post the implementation and status of the validation for the impacted flowgates via WECCNet. a. Customers can sign up to receive WECCNet messages via registration form on the WECC web site at www.wecc.biz under Committees. Quick Link to CIIMS and select Documents. 5. When the network congestion validation is activated: a. Available Transfer Capability (ATC) posted in SysData on OASIS for the impacted flowgate(s) will be changed to zero during the impacted hour(s). ATC for the North of Hanford S>N and South of Allston S>N flowgates is not posted in SysData on OASIS. b. New TSRs on the network will be evaluated for network ATC impacts, for purposes of the network congestion validation only, on the impacted flowgate(s) using the ATC Implementation document. c. New TSRs that do not request MW over the impacted flowgate(s) or during the impacted hour(s) will pass the network congestion validation process. d. New resales and new loss returns on the impacted flowgate(s) during the impacted hour(s) will pass the network congestion val-

Validation Rules for Contracts or AREF Number		
		idation process. e. New TSRs with de minimis impacts on the impacted flowgate(s) during the impacted hour(s) will pass the network congestion validation process. f. New TSRs with non-de minimis ATC impacts on the impacted flowgate(s) during the impacted hour(s) will fail the network congestion validation process. g. New TSRs that fail the network congestion validation process will be REFUSED with an error message “Network Congestion” in the seller comments field. i. New TSRs that fail the network congestion validation process will not be evaluated for counteroffers. ii. New Redirect TSRs will be evaluated on the redirected path only. 6. When the network congestion event has been resolved, network congestion validation will be turned off and new TSRs will be processed by normal procedures.

F. Network Congestion Validation

This validation enables BPA Transmission Services to restrict new transmission sales while network congestion is being mitigated. Use of the network congestion validation will continue until further notice.

1. To minimize the number of new TSRs that are processed when it is anticipated that congestion on the network will cause the capacity on any flowgate to exceed the limits, a network congestion event will be declare
2. During a network congestion event, BPA Transmission Services will activate the network congestion validation on OASIS for the impacted flowgate(s) and impacted hour(s) for new TSRs.
3. BPA Transmission Services will post the implementation and status of the validation for the impacted flowgate(s) on OASIS at http://www.oasis.oati.com in WestTrans.
    1. To view the posting, click the Notices tab. Select CURTAILMENT in the Category field and select the time period on the Message filter.
    2. Customers can sign up to receive notification of the postings on the OASIS website at Options, Alarm Preferences.

4. BPA Transmission Services will also post the implementation and status of the validation for the impacted flowgates via WECCNet.
    1. Customers can sign up to receive WECCNet messages via registration form on the WECC web site at www.wecc.biz under Committees. Quick Link to CIIMS and select Documents.

5. When the network congestion validation is activated:

    1. Available Transfer Capability (ATC) posted in SysData on OASIS for the impacted flowgate(s) will be changed to zero during the impacted hour(s). ATC for the North of Hanford S>N and South of Allston S>N flowgates is not posted in SysData on OASIS.

    2. New TSRs on the network will be evaluated for network ATC impacts, for purposes of the network congestion validation only, on the impacted flowgate(s) using the ATC Implementation document.

    3. New TSRs that do not request MW over the impacted flowgate(s) or during the impacted hour(s) will pass the network congestion validation process.

    4. New resales and new loss returns on the impacted flowgate(s) during the impacted hour(s) will pass the network congestion validation process.

    5. New TSRs with de minimis impacts on the impacted flowgate(s) during the impacted hour(s) will pass the network congestion validation process.

    6. New TSRs with non-de minimis ATC impacts on the impacted flowgate(s) during the impacted hour(s) will fail the network congestion validation process.

    7. New TSRs that fail the network congestion validation process will be REFUSED with an error message “Network Congestion” in the seller comments field.

        1. New TSRs that fail the network congestion validation process will not be evaluated for counteroffers.

        2. New Redirect TSRs will be evaluated on the redirected path only.

6. When the network congestion event has been resolved, network congestion validation will be turned off and new TSRs will be processed by normal procedures.

G. Customer Data Entry (CDE)

1. The CDE application provides user interfaces for Customers to access the following information:

a. View the Customer's real power loss obligations, reports, summaries, and schedules.
b. View and provide to the Transmission Provider data related to Ancillary Services, generation information and/or load information.
c. Exchange other data deemed necessary by the Transmission Provider for the reliable operation and management of the Federal Columbia River Transmission System or as may be required by regulatory mandate.
d. Retrieve and view Customer data (including proprietary data) and Transmission Provider data.
e. Other uses as determined by the Transmission Provider.

2. An OATI, WebCares Certificate is required to access CDE.
   a. Information on obtaining a WebCares Certificates is available at: http://www.oaticerts.com/repository/oaticerts.html
3. Customers must execute a CDE agreement with BPA Transmission Services in order to:
   a. Gain access to the CDE application to view and update data.
   b. Elect an authorized representative to have access to view and update the Customer's select data.
4. A signed original CDE agreement should be mailed or faxed to the Customer's Account Executive.
5. The CDE agreement can be downloaded at: http://www.transmission.bpa.gov/Business/customer_info/becomingacustomer.cfm

H.Northwest Market Hub

1. The Northwest Market Hub (NWH) is a BPA Transmission Services sponsored hub service made up of the following five BPA substations in the Mid-Columbia area that are operated as a composite point:
   1. Valhalla
   2. Sickler
   3. Vantage
   4. Midway
   5. Columbia
2. Customers may request Firm and Non-Firm transmission to and from the NWH.
3. Customers that already have any one of the five NWH substations named in their Long-

Term Firm Service Agreements are not allowed to use the named substation as a substitute for NWH transactions.

4. BPA Transmission Services is the intermediary Balancing Authority at the NWH for all NWH transactions.

5. NWH cannot be used as the first POR or last POD on an e-Tag.

6. Each transmission schedule to and from the NWH must net to zero on each hour. BPA Transmission Services will not accept unbalanced NWH schedules at Pre-Schedule or Real-Time.

7. An e-Tag using the NWH will have at least two BPA Network transmission segments, one to the Hub and one away from the Hub, with associated charges to the respective Transmission Contract Holder (TCH) for each segment.

8. No after-the-fact transmission schedules are allowed at the NWH.

I. Alternate E-Tag Procedures for Discretionary Offer of Transmission for Stranded Load

Certain BPA Network transmission outages make it impossible to serve stranded load via the usual procedures. In some instances, however, it is possible to provide service to the stranded load in a manner other than the usual service. However, due to the posted Available Transfer Capability (ATC), reservations cannot always be made for the alternate service. This bulletin sets forth is the process in which BPA Transmission Services may use its discretion to offer transmission service when posted ATC is not sufficient, but BPA Transmission Services knows that sufficient ATC is available to accommodate the service request. Because e-Tags submitted on paths with insufficient posted ATC automatically fail in OASIS, BPA Transmission Services has created the following procedures to manually approve e-Tags in such instances.

In the procedure described below, “Customer” refers to either the Customer that schedules for themselves or the Customer’s scheduling representative.

1. As far in advance of the planned outage as possible, the Customer should inform it’s BPA Transmission Services' Account Executive of any known outages or system conditions that might impact posted ATC values on the transmission path(s) used by the Customer to serve load. In doing so, the Customer should request that BPA Transmission Services use its discretion to approve the Customer's e-Tag(s) impacted by the outage or system condition if there is sufficient ATC to do so.
2. BPA Transmission Services will determine and notify the Customer if there is sufficient ATC to accommodate the Customer's e-Tag(s) as soon as practicable.

3. If there is sufficient ATC available, the Customer must submit an e-Tag during Pre-schedule hours. The e-Tag will fail automated validation.
4. The Customer must then contact BPA Transmission Services' Preschedule desk and request manual approval of the failed e-Tag. The Customer should provide the e-Tag identification number.
5. If needed, the Customer may repeat steps 3 and 4 to cover the entire period of the outage.
6. If an outage impacts Real-Time schedules, the Customer should follow this procedure, but must submit an e-Tag during the Real-Time scheduling window and then contact BPA Transmission Services' Real-Time desk and request manual approval of the failed e-Tag.
7. BPA Transmission Services will complete a discretion posting on OASIS to describe the service provided.

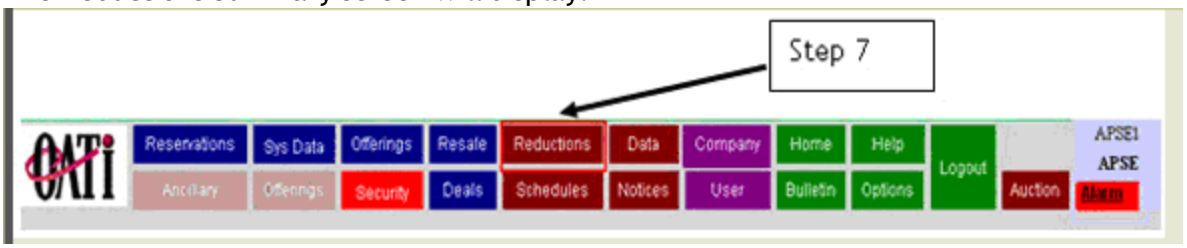
J. Reliability Limits and Outages Information

Next Hour Reservation Reliability Limits

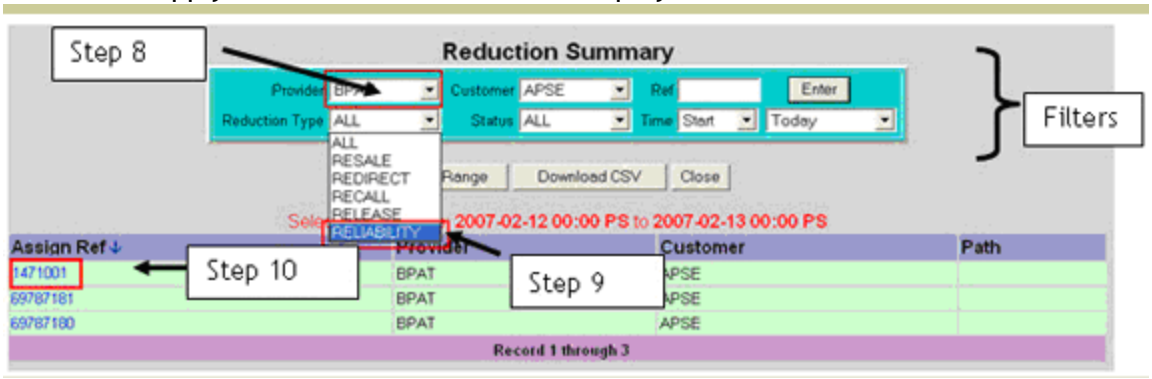
1. Final Preschedule Total Transfer Capability (TTC) and Total Flowgate[1] Capability (TFC) is determined no later than 08:00 PPT for the next Western Electricity Coordinating Council (WECC) Preschedule day(s).
2. BPA Transmission Services' Real-Time schedulers will place Reliability Limits on affected TTC paths prior to 22:00 PPT for the next Preschedule day.
3. Despite a Reliability Limit[2], Customers may schedule up to the full TSR transmission demand.
    1. Firm Transmission schedules, in excess of the Reliability Limit are subject to pro-rata reliability reductions in Real-Time for next hour.
    2. bNon-Firm Transmission schedules in excess of the Reliability Limit are subject to reliability reductions based on OASIS Queue time of the corresponding TSR (Last In First Out (LIFO)).
4. Reliability Limits will be updated when any changes to TTC occur during the Real-Time window.

[1]Flowgate (Cutplane): Transmission lines and facilities owned by BPA on a constrained portion of BPA's internal network transmission grid or transmission lines and facilities owned by BPA and one or more neighboring transmission providers that are interconnected and the separately owned facilities are operated in parallel in a coordinated manner, and each of the owners has an agreed upon allocated share of the transfer capability.
[2]A transmission limit applied to a Transmission Service Request (TSR) based on the Operating Transfer Capability (OTC).

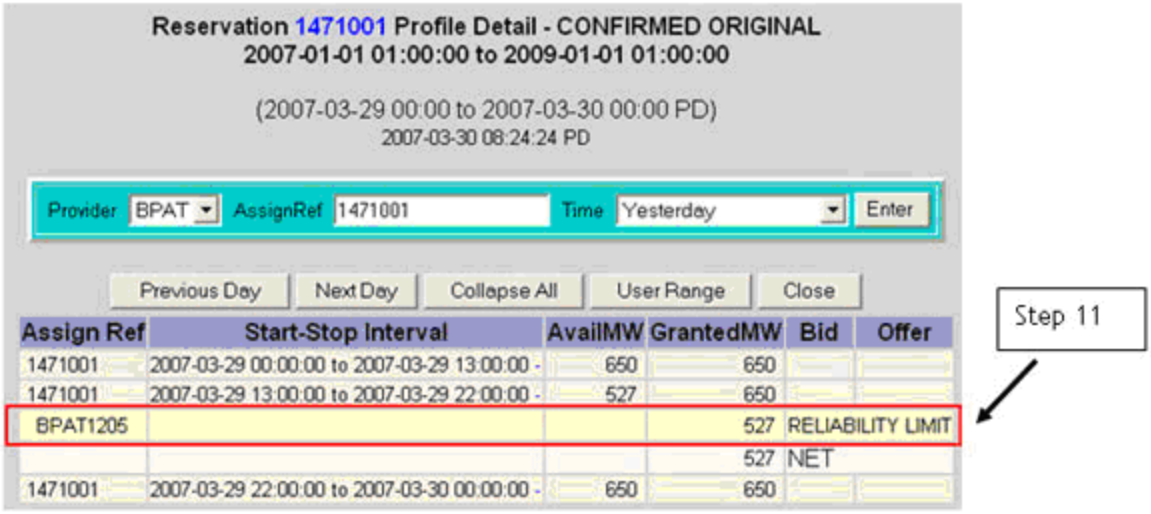
5. If a Reliability Limit impacts the transmission demand of a TSR, Customers with User and Company Details configured to receive dynamic notification will automatically receive notification of that impact by email or through a specified web address.
    1. For Customers not configured to receive dynamic notification, Reliability Limits on a TSR can be viewed on OASIS at http://www.oasis.oati.com.
6. If necessary, BPA Transmission Services will implement reliability reduction procedures at the end of the scheduling hour for the next hour.
7. To view the Reliability Limits for a TSR, access OASIS and click the Reductions button. The Reductions Summary screen will display.



8. Select the name of the Transmission Provider from the Provider drop-down menu.
9. Select RELIABILITY from the Reduction Type drop-down menu and then click Enter. The AREFs that apply to the filters selected will display.



10. To view the details of the Reliability Limit on a specific TSR, select that TSR's AREF from the AREF field. The Reliability Limit details will display.



11. The example above displays a Reliability Limit of 123 MWs placed on the confirmed TSR between hours 13:00 to 22:00 on March 29, 2007.

Outage Information

1. Planned Outage information can be accessed from either the OASIS home page or the transmission website. Outage information is time-sensitive and may or may not be updated dependent upon the outage start time and where BPA is in the planning process.
2. Outages with a large impact potential will be given a time frame for work prior to becoming part of the 45 Day Outage process and become part of long range planning. Long range planning spreadsheets are available for informational purposes only and outages may be adjusted or moved. To view the long range planning go to http://transmission.bpa.gov and make the following selections:
    1. Transmission Availability
    2. Proposed Outages
    3. Month of interest under Long Range Significant Outages
3. Proposed 45 Day Outages and limit estimates during planned outages are posted starting 45 days prior to the start of the outage month. This information is updated and finalized 30 days prior to the start of the outage month.
    1. To view outages and estimates included in the 45 Day Outage Plans go to http://www.oasis.oati.com and make the following selections:
        1. Outage folder located on the left side of the web page
        2. Proposed 45 Day Outages
        3. Month of interest under the 45 Day Outage Plans

2. To view the posting schedule for the 45 Day Outage Plan, go to http://www.oasis.oati.com and make the following selections:
    1. Outage folder located on the left side of the web page
    2. Proposed 45 Day Outages
    3. Schedule for NWPP 45-Day Outage Coordination Process

4. Studies for planned outages are completed and limits posted on OASIS and BPAT's Outage Summary page approximately 2 weeks in advance of the outage week. New planned outages or updates to TTC and TFC are posted until 08:00 of the WECC Preschedule Day. Real-time information for TTC, including updates to planned outages, limits and forced outages are posted during the Real-time day.
    1. To view Planned Outage information on OASIS, go to http://www.oasis.oati.com and make the following selections:
        1. Outage folder located on the left side of the web page
        2. Outage Summary

    2. To view the rolling 14 day outage page, select the Hourly TTC Path Limits. (Limits for TTC and TFC can be viewed 14 days in the past or 14 days in the future).
        1. To view all paths for a specific day, select a date from the drop down list.
        2. To view a specific path for 28 days, select a path from the drop down list.

K. Additional Information

Policy Reference

- OATT Sections: 13, 14, 16, 17, 18 ,19, 22 and 29
- NERC Reliability Standards
- WECC Reliability Management System (RMS) M.2.b.4 and M.2.b.5
- NERC e-Tag timing specification

Related Business Practices and Documents

- Intra-Hour Scheduling Pilot Program
- New Customer Application Process

- On Demand Resource[1] Scheduling
- Operating Reserves
- Real Power Loss Returns
- Redirects
- Redispatch & Curtailment
- Requesting Transmission Service
- Conditional Firm Transmission Service
- Electronic Tagging Functional Specification, Version 1.8.1 or its successor
- WECC: INT-007-WECC-CRT-2.1; INT-001-WECC-CRT-2; INT-016-WECC-CRT-1; and INT-020-WECC-CRT-1or their successors

Version History

Version 9	09/28/12 Version 9 includes the following updates: Section A: Step A.1.n.i. Removed reference to INT-016-WECC-CRT-1 and replaced with NAESB WEQ Standard Section B: Added Step 4 to prohibit stacking NFP and PTP capacity; added Daily, Weekly and Monthly Non-Firm transmission to the Tagging Suffixes Table in Step B.5 Section C: Changed Step 2.a Submission of E-Tags During Real-Time window beginning to 1600 from 1800; added Step 2.b. referencing INT-006-3 in relation to e-Tag processing; and added Step 2.d. to align the opening of the window for Ancillary Service data with the 1600 Submission of E-Tags During Real-Time window Section E: Under the Validation Rules for Schedule Path chart, added clarification update for Capacity Recallable Tag; add G-NF Usage Check Validation Section F: Incorporated the Network Congestion Validation Bulletin Section G: Deleted Contact Information and replaced with Customer Data Entry (CDE) Section H: Deleted Network Congestion Validation and incorporated the Northwest Market Hub bulletin Section I: Incorporated Processing Transactions for Stranded Loads Due to Network Outages in BPA System Bulletin and changed title to Alternative E-Tag Procedures for Discretionary Offer of Transmission for Stranded Load Section J: Incorporated Reliability Limits and Outages Information Bulletin
Version 8	04/17/12 Version 8 also includes the following updates:Incorporates updates based on current emer-

[1]a. A resource located within BPA's Balancing Authority Area; b. An arrangement with a neighboring Balancing Authority that allows the delivery of power on BPA's system to or from a neighboring system; or c. A Demand Response Resource capable of meeting the technical requirements for an On Demand Resource.

	gency (e.g. scheduling system outage) energy delivery practices as well as revisions that reflect more up to date naming conventions., Added export Capacity Recallable Energy (C-RE) from the BPA BAA by a source that is responsible for supplying BPAT Contingency Reserves.,Added Validation Rules for Schedule Path chart of a Recallable Tag to include the ability to export Capacity Recallable Energy (C-RE) from the BPA BAA by a source that is responsible for supplying BPAT Contingency Reserves. The Recallable Tag replaces the Valid Product Code. Specific updates include: General-Changed all Control Area references to Balancing Authority Area;Section A-Updated step 1.i. to include, “or Network and Montana Intertie”, Step A.1.l: Added clarification for transactions on the DC Intertie., Step A.1.m: Updated to be specific to a BPAT scheduling system (OATI webTrans) outage, Added A.1.n. to address a Sink PSE/Scheduling Agent scheduling system outage and WECC Interchange Authority Tool (WIT) system outage, Corrected typographical error in 2.a, Removed reference to Redispatch and Curtailment BP in 2.c.i, Moved NT acronym in 5, Added 5.a.iii to exclude PS customers receiving NT Block in our BA from scheduling;Section B-Removed reference to Conditional Firm BP in 2; Section C-Amended the preschedule window, Corrected typographical error in 1.b.ii, Removed reference to INT-007-WECC-CRT-1 in 2.b; Section D-Corrected Standard version in 2, Removed 3. Phone call to Sink BA; Added new 3, regarding the addition of Emergency e-Tag comments to expedite processing; Section E-Added the In-Hour NSA, PSANI and TLR Avoidance to the Validation Rules for Schedule Path table.,Validation Rules for Schedule Path chart under Valid Product Code updated validation to "Recallable Export Tag", modified validation criterion and updated Denial Reason.
Version 7	05/12/11 Under the General Procedures and Requirements section, deleted 2.iii Loss Return Sc hedules; deleted 5.b.i and added 5.c relating to 7-FN NERC priority code effective 06/09/11; added under E-Tag Submittal Windows section 1.a chart "earlier" and deleted "later" and added "...close of the California Independent System Operator (CISA) market, whichever is later" and deleted "...posted BPAT Preschedule accommodation time."; added 7-F and 7-FN and NT to 2.a, 2.b and 2.b under the E-Tag Validation Rules section; and added the Concurrent Losses line on the Validation Rules for Schedule Path chart.
Version 6	04/20/11 Under the Scheduling for Emergency Energy Delivery section, moved 4 to 2.b under the E-tag Submittal Windows section.
Version 5	4/1/11 Version 5 includes the following changes: • Added the definition Late E-tag: Time classification assigned by an Interchange Authority (IA) in accordance with the WECC Timing Requirements Table in Standard INT-006-3, Response to Interchange Authority, or it's successor. If arranged Interchange is submitted less than 10 minutes prior to ramp start and less than or equal to 1 hour after the start time, the IA assigned time classification is "Late". • Scheduling for Emergency Energy Delivery Transmission Services Section • Added to step 2: “BPA Transmission Services will process Emergency e-Tags in accordance with INT-001-WECC-CRT-2 and INT-007-WECC-CRT-1 or their successors.” • Replaced step 4 with “BPA Transmission Services will deny Late e-Tags as defined by the Timing Requirement table of INT-006-3 and in accordance with INT-007-WECC-CRT-1, or their successors.”
Version 4	12/2/10 Version 4 of this business practice has been updated to encourage Customers that submit Firm NT schedules to immediately begin using the 7-FN NERC Curtailment Priority code, rather than 7-F, to facilitate NT Firm Redispatch, pursuant to Attachment M of the OATT. Version 4 includes the following changes to section 3: • Added step 3.21.1. • Added subtitle “Point-to-Point (PTP) Transmission Service”. • Added step 3.22.
Version 3	01/04/10 Version 3 of this business practice has been updated with the following changes: Section 2: Definitions • Blanket Function definition updated. • Added the definitions Transmission Profile and Energy Profile. Section 3: General Procedures and Requirements • Step 3.1 added the last sentence from version 2, step 3.3 • Deleted steps 3.3 and 3.3.1 • Moved step 7.3 to step 3.7 • Added “prior to preschedule day” to step 3.14 • Added Blanket Function in steps 3.17 through 3.17.3 Section 4: Transmission Service Product Types • Changed contract to Service Agreement throughout • Deleted

	step 4.1.2 • Updated Tagging Suffixes chart to reflect system changes Section 6: Scheduling for Emergency Energy Delivery • Added “Transmission Services will approve late tags” to step 6.4 • Deleted steps 6.4.1 through 6.5.3 to remove direct language from WECC INT-BPS-007-0. Content did not change. Section 7: E-Tag Validation Rules • Deleted step 7.3
Version 2	10/13/09 Version 2 of this business practice adds clarification in step 3.5 when a customer does not submit a schedule for a given hour, they will be deemed to have a schedule of zero megawatts for that hour.
Version 1	04/10/09 The Scheduling Transmission Service Business Practice is the result of separating the Reservation and Scheduling Procedures Business Practice into two new business practices: Requesting Transmission Service and Scheduling Transmission Service. In addition, the Scheduling Transmission Service Business Practice incorporates the E-Tag Requirements Business Practice, Version 5 and the following bulletins: • CBPI Bulletin 1: Transmission Account Building • CBPI Bulletin 5: E-Tag Equals Tx Schedule • CBPI Bulletin 9: Submit Tx Sched, Version 4 • CBPI Bulletin 11: E-Tag Timing Validations • Bulletin: Reservation and Scheduling for Emergency Energy Delivery • Bulletin: Short-Term Firm Product Minimum Lead Time Changes